

BASF Corporation

**BASF**

MR 5130

8EHQ - 0398 - 14/46

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March 18, 1998

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Attention: (8e) Coordinator  
Office of Pollution Prevention and Toxics  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, DC 20460

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Ladies and Gentlemen:

Subject: Notice in Accordance to TSCA Section 8(e) - Results of  
ecotoxicity studies on green algae with Glutaraldehyde  
(CAS NO. 111-30-8).

BASF Corporation is submitting the results of a study on the inhibitory effect on cell division of the green algae Scenedesmus subspicatus with Glutaraldehyde (CAS No. 111-30-8). The study was conducted by BASF Aktiengesellschaft, Ludwigshafen, Germany.

Following is a summary of the test results:

$E_b C_{50}$  (72 hour) = 0.75 mg/l  
 $E_r C_{50}$  (72 hour) = 1.2 mg/l  
NOEC (72 hour) = 0.025 mg/l  
LOEC (72 hour) = 0.05 mg/l



8EHQ-98-14146

BASF Corporation understands that the reporting of these study results is in accordance with EPA's policy. Any reports or additional information that we receive will be forwarded to the Agency and Material Safety Data Sheets will be updated with this preliminary information.

If you have any questions, please feel free to call me at (734) 324-6207.

Very Truly Yours,

BASF Corporation

Edward J. Kerfoot, Ph.D.  
Director, Toxicology and Product Regulations

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# ENTRY FORM

CAPNUM	LTR	DATE	CBI	CASNO	CONCERN	AI	SOLUBILITY
14146	a	0398		111308	HIGH	NS	NS

## CHEMNAME

Glutaraldehyde

## PHYSTATE

NS

ORGANISM	DURATION	ENDPOINT	CODE	TOXVALUE	UNITS
Green algae, <i>S. subspicatus</i>	72h	EbC50		0.75	mg/l

## MELTINGPT

NS

## COMMENTS

Growth inhibition  
72hNOEC, LOEC=0.025, 0.05mg/l